



ICPAC

The Greater Horn of Africa Climate Outlook Forum 60 (GHACOF 60) **Theme: Early Warning for Early Action**

Agenda

15-17 February 2022 (Hybrid event)

DAY 1: Co-production sessions

Tuesday Feb 15, 2022

Time	Activity
8:30 - 9:00	Welcome and Introductions in the Chat Introduction to Zoom Events - Housekeeping <i>Participants join zoom and self-introduction by video and through chat box</i>
SESSION I	Introduction to co-production sessions, new products, and user needs
9:00 - 9:45	<i>Introduction to the day's agenda, showcasing of new products, review of the past season's performance, and discussion around user needs to make better decisions.</i> <ul style="list-style-type: none">• Welcome, introduction to the session, agenda for the day <i>Kenneth Mwangi, ICPAC</i> (5 min)

	<ul style="list-style-type: none"> • Showcasing new products in EAHW, recent Disasters and Early Warnings <i>Erick Otenyo, Hussien Seid, Jully & Viola Otieno, (20 min)</i> • ICPAC / CONFER survey findings - motivation, main findings, next steps <i>Neha Mittal and Marta Bruno Soares, University of Leeds (15 min)</i> <p><i>The goal of this session is to introduce the agenda of the day, new products and present general findings of user needs survey conducted in 2021</i></p>
9:45 - 10:00	Break
SESSION II	User needs discussions
10:00 - 13:00	<ul style="list-style-type: none"> • Presentation from each sector on findings from GHACOF 59 and online survey (see preliminary results here: https://drive.google.com/drive/folders/18iKrtkmXjIMWavB4Aib3cvaVh2nAgUM?usp=sharing) about ICPAC products they use, which ones need enhancement, new products required in the sector, etc (10 min) • Present any ICPAC products that may already been developed/improved based on the feedback from previous GHACOFs (5 min) • Discuss findings and agree on priorities and next steps in terms of existing ICPAC products that need to be improved (60 min) • Coffee break (15 min) • Discuss findings and agree on priorities and next steps in terms of new products and services that should be considered for co-production (60 min) • Understand participants' expectations from GHACOF co-production sessions and how to improve them i.e. how to co-produce/improve products moving forward; Links with NCOFs (20 min) • Next steps and wrap up (10 min) <p><i>The goal of this session is to prioritise product improvements and development needs as well as format to institutionalise co-production sessions during GHACOFs</i></p>
13:00	End of the day

DAY 2: Co-production of Impacts and Advisories by Sectors

Wednesday Feb 16, 2022

Time	Activity
8:30 - 9:00 am	<p>Welcome and Introductions in the Chat Introduction to Zoom Events - Housekeeping</p> <p><i>Participants join zoom and self-introduction by video and through chat box</i></p>
9:00 - 9:45 am	<ul style="list-style-type: none"> ● Introduction to the purpose of the day and where it fits within the GHACOF programme (introduce the presentations and Summary for Decision Makers that come out of the working groups) (10 min) ● Verification October - December 2021 season <i>Anthony Mwangi, ICPAC (7 min)</i> ● Seasonal forecast for the March - May 2022 <i>Zewdu Segele, ICPAC (10 min)</i> ● Encourage people to use the East Africa Hazards Watch to access all the seasonal forecast products, run analysis, and explore all the Specialized Systems (Eg. Drought Watch, Agriculture Watch) and Products to produce data-based Impacts and Advisories (5 min) <i>Erik Otieno, Participants need to take into consideration into their analysis the current conditions on the ground and the cumulative crisis</i> ● State of Food Security in the Region: Developing drought conditions versus food crisis <i>Ahmed, IFRAH-ICPAC (5 min)</i> ● Introduction to the working groups, agenda, tasks and guide for the sector meetings (5 min) <p>The goal of the session is to present the seasonal forecast and the tools where the seasonal forecast products are accessible to participants to analysis potential impacts and advisories.</p>
9:45 - 10:00 am	Break (Participants join their relevant session)
10:00 - 10:45 am	<ul style="list-style-type: none"> ● Welcome by Sector Head ● Participant brief introduction in chatbox – who is present, from which organizations and countries, representing the sector, NMHS, climate change, partners etc. ● Present draft collated past season performance (October - December 2021) for the sector, showing observations, positive and negative impacts, outcome of the implementation of response strategies taken, and current status. <i>(from information shared in advance)</i>

	<ul style="list-style-type: none"> ● Review lessons/experiences from the use of products and services used during October - December season, success from use and response strategies taken, challenges and gaps faced, a summary of needs. (<i>from co-production day outcomes</i>) ● Group validation of past season performance and successes and challenges of climate services. Identify highlights for the sector and agree on what and who to present at the main day of GHACOF (the following day).
10:45 - 11:00 am	Break
11:00 - 11:30	<ul style="list-style-type: none"> ● Present the seasonal forecast for the March - May 2022 season ● Share the link to the East Africa Hazards Watch, where all the Seasonal products can be found ● Share and discuss new innovations and products identified during the co-production sessions ● Discussion and clarification to understand the forecast in relation to the sector in different countries ● Discussion on likely risks and impacts of climate change and other risks for the March-May season, including extreme events
11:30 - 13:00	<ul style="list-style-type: none"> ● Discuss and formulate sector specific implications and likely impacts (possible scenarios) of the season and possible response strategies, in light of the current situation, OND climate forecast and climate change risks ● Select the most significant implications and impacts and identify the countries likely to be most affected and the most important response strategies
	Break
SIDE EVENTS	Marketplace of Innovations in Climate services, adaptation and mitigation
14:00 - 15:00	<p>Clean energy</p> <p>Panelists and topics</p> <ul style="list-style-type: none"> ● Mainstreaming clean energy, <i>Willis Ochieng, KenGen (5 min)</i> ● Financing the green energy transition, <i>Olufunso Somorin, African Development Bank (5 min)</i> ● Domesticating clean energy in rural communities, <i>George Appiah CEO and Co-founder Solar Taxi (5 min)</i> ● Policies for clean energy, <i>Dr Tedd Moya, Oxford University (5 min)</i> ● Q&A by participants <i>(30 min)</i>

	<i>The side event involves discussions on clean energy by; Marketplace initiatives, Kengen, African Development Bank, Solar Taxi and Oxford University.</i>
14:00 - 15:00	<p>Indigenous traditional knowledge</p> <p>Panelists and topics</p> <ul style="list-style-type: none"> ● ITK and early warning systems, <i>Prof Gilbert Ouma University of Nairobi (5 min)</i> ● Integration of Scientific forecasts and ITK, <i>Simon Cheptot the County Director of Meteorological Services, Elgeyo Marakwet County (5 min)</i> ● Indigenous traditional knowledge in areas with limited institutional infrastructure: Experiences from South Sudan, <i>Joseph Ngor Deng, Journalist, South Sudan (5 min)</i> ● The move from Consensus to Objective Forecast and the Role of ITK, <i>Calistus Wachana (5 min)</i> ● Q&A by participants (30 min) <p><i>This side event involves presentations and discussions around indigenous traditional knowledge and early warning systems.</i></p>
14:00 - 15:00	<p>Nature-based solutions</p> <p>Panelists and topics</p> <ul style="list-style-type: none"> ● Forest Watch, <i>Kenneth Mwangi, ICPAC (5 min)</i> ● Reforesting with Seed Bomb, <i>Helina Teklu, Seedbomb Ethiopia (5 min)</i> ● Water hyacinth recycling, <i>Joseph Nguthiru, Charles Kinyua (5 min)</i> ● Urbanization vs conservation, <i>Irene Amoke Executive Director, Kenya Wildlife Trust (5 min)</i> <p><i>This side event involves a marketplace with innovative Nature-Based Solutions from Eastern Africa. After short 3 minutes presentations by organizations working in the region, discussions will follow around best practices, challenges, and way ahead.</i></p>
15:00 - 15:15	Break
15:15 - 16:15	Risk Assessment, Insurance and banking for Resilience

	<p>Panelists and topics</p> <ul style="list-style-type: none"> ● Monitoring Platform for Transboundary Pest Risk Information, <i>Kenneth Mwangi, ICPAC (5 min)</i> ● Bridging Weather Security with Communities Most in Need, <i>Georgina Campbell Flatter (5 min)</i> ● The role of insurance in Disaster Risk Management, <i>Koffi Konin Country Engagement Manager ARC (5 min)</i> ● State of index-based crop insurance services in East Africa, <i>Aniruddha Ghosh, CGIAR (5 min)</i> ● New Approaches and Schemes of Climate Risk Insurance, <i>Bishar Mohamed Takaful Insurance (5 min)</i> ● Q&A by participants (30 min) <p><i>This session involves presentations and discussions from banks and insurance companies financing the net-zero transition and adaptation to climate change.</i></p>
15:15 - 16:15	<p>Climate Information for Resilience</p> <ul style="list-style-type: none"> ● Use of Climate Information, services and Advisories to Strengthen Resilience Strategies and actions at the end user point following GHACOFs - Case of Karamoja Cluster, <i>Lokut Samuel Team Leader, SRAPLEA Project, Kenya-Uganda (5 min)</i> ● Progress towards developing a regional resilience measurement framework, <i>Abdi Fidar, IFRAH (5 min)</i> ● Building partnerships to ensure gender mainstreaming implementation of resilience-enhancing interventions: Lessons from the 2021 Gender and Resilience Share Fair, <i>Dr John P. Kabayo, IGAD (5 min)</i> ● Q&A by participants (30 min)
15:15 - 16:15	<p>Meteorological infrastructure and data sharing</p> <p>Panelists and topics</p> <ul style="list-style-type: none"> ● Bridging the weather data gap using mobile networks <i>Dulip Tillekeratne, Senior Manager, ClimateTech programme, GSMA (5 min)</i> ● Data sharing policy and funding opportunities, <i>Lorena Santamaria, WMO (5 min)</i> ● New unified data policy and the systematic observation financial facility, <i>Lars Peter Riishojaard, WMO (5 min)</i> ● Data sharing in Eastern Africa, <i>Paulino Omay, ICPAC (5 min)</i> ● Q&A by participants (30 min) <p><i>This side event is a marketplace for organizations developing meteorological infrastructure. Short presentations by organizations will be followed by discussions on opportunities, best practices, challenges, and way ahead.</i></p>

DAY 3: Main day

Thursday Feb 17, 2022

Time	Activity
8:30 - 9:00	Welcome and Introductions in the Chat Introduction to Zoom Events - Housekeeping <i>Participants join zoom and self-introduction by video and through chat box</i>
SESSION I	Opening session
9:00 - 9:15	<ul style="list-style-type: none">● Opening Statement <i>Dr Guleid Artan, Director, ICPAC (5 min)</i>● Briefing on the forum event <i>Zachary Atheru, ICPAC (5 min)</i>
SESSION II	Looking back: Performance and impacts of the October to December 2021 season
9:15 - 10:05	<ul style="list-style-type: none">● Eastern Africa OND 2021 season Performance and Early warnings <i>Anthony Mwanthi & Jully Ouma ICPAC (7 min)</i>● Impacts Video (3 min) <hr/> <ul style="list-style-type: none">● Overview of October - December sectoral impacts<ul style="list-style-type: none">● Agriculture and Food Security (5 min)● Disaster Risk Management (5 min)● Environment & Forestry (5 min)● Water Resources & Energy (5 min)● Livestock and Rangelands (5 min)● Health & Nutrition (5 min)● Conflict & Security (CEWARN) (5 min)

	<ul style="list-style-type: none"> ● Plenary Discussion (questions from chat box) (5 min)
SESSION III	Looking ahead: March to May 2022 seasonal forecast
10:05 - 10:35	<ul style="list-style-type: none"> ● Current state of global climate system <i>Stefan Lines, UK Met Office</i> (8 min) ● Eastern Africa March - May 2022 seasonal forecast <i>Hussen Indris, ICPAC</i> (12 min) ● Plenary Discussions (<i>moderator reads questions from chat box</i>) (15 min)
10:35 - 10:45	Break
SESSION IV	Sectoral impacts and advisories
10:45 - 11:45	<p>Reporting by Sectors on key implications and management strategies for MAM 2022 season</p> <ul style="list-style-type: none"> ● Agriculture and Food Security (7 min) ● Disaster Risk Management (7 min) ● Environment & Forestry (7 min) ● Water Resources & Energy (7 min) ● Livestock and Rangelands (7 min) ● Health & Nutrition (7 min) ● Conflict & Security (CEWARN) (7 min)
	<ul style="list-style-type: none"> ● Climate Change (5 min) ● Media (5 min)
SESSION V	Panel discussion on the implications of the forecast (Early Action)
11:45 - 12:45	<p>This session focuses on the risks to lives and livelihoods posed by the current seasonal forecast. Panelists will discuss the current conditions on the ground, ongoing crisis, and will reflect on the past seasons.</p> <ul style="list-style-type: none"> ● Panel discussion with Users (15 min) ● <i>Brenda Lazarus, FAO</i> ● <i>Calogero Di Gloria, ECHO</i> ● <i>Khadar Sh. Mohamed Nur, Ministry of Humanitarian Affairs and Disaster Management, Somalia (MoHADM)</i>

	<ul style="list-style-type: none"> • <i>Dereje Getaneh, National Disaster Risk Management Commission, Ethiopia</i> • <i>Dr. David Nanyende, National Disaster Operation Centre, Kenya</i> • Q&A by participants (30 min)
SESSION VI	Release of the seasonal forecast
12:45 - 13:00	<ul style="list-style-type: none"> • Release of the seasonal forecast <i>Dr Guleid Artan, Director, ICPAC (10 min)</i>
SIDE EVENTS	Marketplace of Innovations in Climate services, adaptation and mitigation
14:30 - 16:00	<p>Hydrological forecasting for Eastern Africa</p> <p>Panelists and topics</p> <ul style="list-style-type: none"> • <i>Dave Mcleod, Senior research associate, Down2Earth Project</i> <p><i>This session involves demonstration of new forecast methodology and presentation of the March to May forecast. And also a comparison of hydrology forecasts with the GHACOF rainfall forecast.</i></p>
14:30 - 16:00	<p>Innovation for Climate Services side Event</p> <p>Panelists and topics</p> <ul style="list-style-type: none"> • <i>East Africa Hazards Watch, Erick Otenyo, ICPAC / NORCAP (10 min)</i> • <i>Satellite data for early warning crop yield deficiencies, Mariette Vreugdenhil, and Christine Traeger Chatterjee, EUMETSAT (10 min)</i> • <i>A Climate Station to support Regional Climate Centers, Christophe Lavaysse, EU Joint Research Center (10 min)</i> <p>Q&A (10 minutes)</p> <p>Break</p> <ul style="list-style-type: none"> • <i>Future of Weather Security and Intelligence, powered by Space, Ari Davidov, Tomorrow.io (5 min)</i> • <i>Unlocking Earth Observation and Science for a Resilient Public Sector, Keiko Nomura, Climate Engine (5 min)</i> • <i>Global weather forecast as open data, Håvard Alsaker Futsæter, Yr, Meteo Norway (5 min)</i>

	<ul style="list-style-type: none"> • Innovative solutions for climate services, <i>Anca Brookshaw, ECMWF (5 min)</i> • ClimateTech programme <i>Dulip Tillekeratne, Senior Manager, ClimateTech programme, GSMA (5 min)</i> <p>Q&A (30 minutes) <i>Discussions on innovative systems to deliver climate services.</i></p>
15:30 - 15:45	Break
14:30 - 15:30	<p>Cloud storage, High-Performance Computing (HPC), machine learning (ML) and Artificial Intelligence (AI)</p> <p>Panelists and topics</p> <ul style="list-style-type: none"> • Latest HPC developments and Microsoft partnership, <i>Nicolas Savage, UK Met Office (5 min)</i> • Potential of AI and Machine Learning for climate services, <i>Alex Lenkoski, NORCE (5 min)</i> • Climate Risk Models, <i>Prof Hussen Sherif Director, AASCTC (5 min)</i> • Climate Model Emulators, <i>Shruti Nath, Climate Analytics (5 min)</i> • Q&A by participants <i>(30 min)</i> <p><i>This side event involves short presentations by organizations and discussions around cloud storage, high-performance computing, and the use of machine learning and AI in the provision of climate services.</i></p>
14:30 - 15:30	<p>Media for Climate</p> <p><i>During this session, a MOOC (Massive Open Online Course) on Climate Change reporting developed by BBC Media Action, ICPAC, and NORCAP under the CONFER project will be presented to journalists.</i></p>